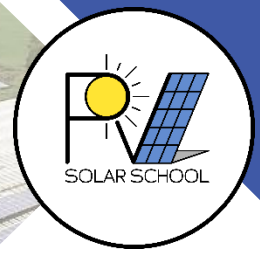


INTERNATIONAL WINTER SCHOOL

MATERIALS AND TECHNOLOGIES FOR SOLAR ENERGY: PHOTOVOLTAICS AND THERMAL SOLAR



FEBRUARY 10TH-14TH, 2025

**BRIXEN
BRESSANONE
(BZ)**

SCIENTIFIC COMMITTEE

Simonpietro Agnello University of Palermo
Claudia Barolo University of Torino
Simona Olga Binetti University of Milano Bicocca
Marco Cannas University of Palermo
Maurizio Cellura University of Palermo
Aldo Di Carlo CNR
Walter Gaggioli ENEA
Alessandro Galia University of Palermo
Massimo Mazzer CNR
Matteo Meneghini University of Padova
David Moser EURAC Research
Alessandro Romeo University of Verona
Michele Saba University of Cagliari
Giovanni Spagnuolo University of Salerno
Mario Tucci ENEA



more info
↪

Materials and devices for photovoltaics
Silicon cells and modules - Thin film solar cells
Perovskite solar cells
Fabrication processes and integration
New materials and innovative cell architectures
Stability and reliability of solar cells and modules

Integration and system-level aspects
Building integration - Agrivoltaics
Switching converters for PV applications
Algorithms and AI solutions for photovoltaics

CSP and thermal solar
Solar thermal systems - Solar chemistry research
Solar heat integration - Hybrid energy systems

Economics and sustainability
Value chains for solar energy
Manufacturing and integration
Economics & Markets
LCA and carbon footprint
End-of-life and recycling



UNIVERSITÀ
di VERONA



UNIVERSITÀ DEGLI STUDI
DI SALERNO

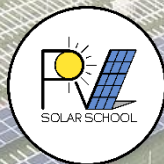


Università
degli Studi
di Palermo



INTERNATIONAL WINTER SCHOOL

MATERIALS AND TECHNOLOGIES FOR SOLAR ENERGY: PHOTOVOLTAICS AND THERMAL SOLAR



BRIXEN BRESSANONE (BZ)
FEBRUARY 10TH-14TH, 2025

Registration
information
will be
available on
Oct 10, 2024



pvsolarschool.com

SPEAKERS (PRELIMINARY LIST)

Gianluca Coletti Large-scale solar cell manufacturing
Futurasun

Fabrizio Bizzarri Innovation in solar cell/module production
Enel

Mario Tucci Heterojunction vs TopCON, who is the best?
ENEA

Marco Balucani Metallization of solar cells and module interconnection

RISE TECHNOLOGY

Matteo Meneghini Case-studies in solar cell reliability
Univ. of Padova

Alessandro Romeo The case of CdTe solar cells: past, present and future
Univ. of Verona

Simona Binetti From CIGS to Kesterite: advancements in solar technology
Politecnico di Milano

Iacopo Benesperi PV technologies for indoor applications
Univ. of Torino

Simon Ternes Artificial Intelligence in photovoltaics research
Univ. of Rome Tor Vergata

Giulia Spaggiari Inorganic chalcogenides for thin film solar cells
CNR

Enrico Napolitani Innovative processes for PV systems and hydrogen
Univ. of Padova

Carlos Meza PV systems and hydrogen
HS-ANHALT

Giovanni Spagnuolo PV module diagnostic approaches
Univ. of Salerno

Sonia Leva Experimental analysis of bifacial solar modules
Politecnico di Milano

Filippo Spertino Cooperative planning of photovoltaic and wind systems
Politecnico di Torino

Mark Rossetto Diagnostics of PV plants
MRP Energy

Galia Alessandro Solar heat integration in industrial processes
Univ. of Palermo

Maurizio Cellura LCA of PV, CSP and CST
Univ. of Palermo

David Moser The past, the present and the future of solar PV O&M
EURAC Research

Vanni Lughì Critical materials in photovoltaic technologies
UNIV Trieste

Ivan Gordon Status and perspective for silicon solar cells
IMEC

STUDENT WORKSHOP

The School will feature a half-day student workshop, where students can present their research activity.

The best presentation will receive an award.

If you want to participate, fill out the form at pvsolarschool.com

LOCAL ORGANIZING COMMITTEE:

Matteo Meneghini
University of Padova,
School Director

Nicola Trivellin
University of Padova

Carlo De Santi
University of Padova

Matteo Buffolo
University of Padova

Alessandro Caria
University of Padova

Jessica Jazmine
University of Padova

Nicole Barrantes
University of Padova

Claudia Casu
University of Padova

Paola Jakuza
University of Padova

Marco Pilati
University of Padova

Noah Tormena
University of Padova